

## CLAIMS

1. A sample temperature regulator comprising:  
a heating block having a sample container holder and  
a temperature-controllable heater;

a cooling block having a cooling mechanism; and  
a connecting plate for combining the heating block  
and the cooling block with each other;

wherein the connecting plate is made of a material  
having a thermal conductivity lower than those of these  
two blocks.

2. The sample temperature regulator according to  
Claim 1, wherein the cooling block is combined with a  
plurality of heating blocks.

3. The sample temperature regulator according to  
Claim 1 or 2, further comprising a refluxing block which  
is brought into contact with an upper part of a sample  
container.

4. A sample temperature regulator comprising:  
a heating block having a sample container holder and  
a temperature-controllable heater; and

a cooling block having a cooling mechanism; the  
heating block and the cooling block being combined  
directly with each other;

wherein the cooling block is made of a material  
having a thermal conductivity lower than that of the  
heating block.

5. The sample temperature regulator according to  
Claim 4, wherein the cooling block is combined with a

plurality of heating blocks.

6. The sample temperature regulator according to Claim 4 or 5, further comprising a refluxing block which is brought into contact with an upper part of a sample container.

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